VECTOR
The Freedom of POWER

Twin-Beam Spotlight

3,000,000 Power Series™

Corded • Cordless • Rechargeable

cULus LISTED
53SB
E231887

USER'S MANUAL & WARRANTY INFORMATION

IMPORTANT SAFETY INFORMATION, SAVE THESE INSTRUCTIONS

TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND THIS INSTRUCTION MANUAL. THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING THE OPERATION AND WARRANTY OF THIS PRODUCT. PLEASE READ CAREFULLY BEFORE USE AND RETAIN FOR FUTURE REFERENCE

4140 S.W. 30th Ave., Ft. Lauderdale, FL 33312
Toll Free: (866) 584-5504

www.vectormfg.com

Cut here

TWO YEAR LIMITED WARRANTY REGISTRATION FORM

This limited warranty program is the only one that applies to this product, and it sets forth all the responsibilities of Vector Products, Inc., regarding this product. There is no other warranty, other than those described herein.

This Vector Products, Inc. product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for two years from the date of purchase without additional charge. The warranty does not extend to subsequent purchasers or users. Vector Products, Inc. will not be responsible for any amount of damage in excess of the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty.

This product is not intended for commercial use. This warranty does not apply to accessories or damage to units from misuse or incorrect installation. Misuse includes wiring or connecting to improper polarity power sources.

RETURN/REPAIR POLICY: Defective products, other than accessories, may be returned postage prepaid to Vector Products, Inc. Any defective product, other than accessories, that is returned to Vector Products, Inc. within 30 days of the date of purchase will be replaced free of charge. If such a product is returned more than 30 days but less than two years from the purchase date, Vector Products, Inc. will repair the unit or, at its option, replace it free of charge.

If the unit is repaired, new or reconditioned replacement parts may be used, at Vector Products, Inc.'s option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items after 30 days. During the warranty period, Vector Products, Inc. will be responsible for the return shipping charges.

LIMITATIONS: This warranty does not cover accessories, bulbs, fuses and batteries, defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood and Acts of God.

If your problem is not covered by this warranty, call our Technical Support Department at (954) 584-4446 or toll free at (866) 584-5504 for general repair information and charges if applicable. You may also contact us through our website at www.vectormfg.com.

STATE LAW RIGHTS: This warranty gives you specific legal rights. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, which vary from state to state, may apply.

TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT: Contact Vector Products, Inc. Technical Support by telephone, fax or mail (see below). We suggest that you keep the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt (or copy) and a description of the reason for return and product serial number. After repairing or replacing the unit, we will make every effort to return it to you within four weeks.

WARRANTY ACTIVATION: Please complete Warranty Activation Card and mail to Vector Products, Inc. Enter "VEC158" as Model and "3,000,000 Power Series™" as Product Type. All Vector Products, Inc. products must be registered within 30 days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt to:

ATTN.: CUSTOMER SERVICE
4140 SW 28th Way, Ft. Lauderdale, FL 33312
• TOLL FREE: (866) 584-5504 • FAX: (954) 584-5556 •
You may also contact us at our web site www.vectormfg.com.

WARRANTY IS NON-TRANSFERABLE AND NON-REFUNDABLE.

BD012105

DC PLUG FUSE REPLACEMENT

The fuse in the DC plug protects the charging circuit of the DC recharge adapter. If the AC recharger operates but the DC charging adapter does not, then the fuse may be opened.

To replace the fuse:

1. Unscrew the end cap of the DC plug (counterclockwise).
2. Remove spring center contact and fuse.
3. Check fuse with a continuity checker.
4. If blown, locate replacement fuse with same type and rating.
5. Replace the fuse, spring, contact and end cap.
6. Screw end cap clockwise until it is finger tight – DO NOT OVER-TIGHTEN.
7. Check for proper operation of DC charger adapter.

TROUBLESHOOTING

- No red charge light

If red LED does not turn on when charging do the following:

A) Check for bad connection to the spotlight recharge port

B) Check for bad connection to AC or DC adapters

C) Confirm there is a functioning AC or DC current

Operating Issues

1. When charging spotlight will not operate, but area light will turn on when pressed while charging; be sure spotlight charge port is disconnected before main beam usage.
2. If unit does not operate battery may be completely discharged. Charge unit using AC adapter following the directions in the manual.
3. If you suspect a bulb is blown, check bulb filament. If filament is coiled and unbroken, the bulb is not blown. If filament is blown, replace bulb.

SPECIFICATIONS

Spotlight Bulb:	Dual 12 volt, H3 series
Battery:	Two maintenance-free, sealed lead acid, 6 volt, 6.0 amp hour
Weight:	7.92 lbs.
Length:	9 in
Width:	8.625 in
Height:	14.625 in

TABLE OF CONTENTS

Important Safety Information 1
Introduction 2
Features 2
Operating Instructions 3
Using the 12 Volt DC Accessory Outlet 4
Lighting Operations 4
Charging Using the 120 Volt AC Recharge Port 4
Charging and Powering the DC Recharge Adapter 5
Spotlight Bulb Replacement 6
Periodic Maintenance 7
Parts Replacement 7
Battery Replacement/Disposal 7
DC Plug Fuse Replacement 8
Troubleshooting 8
Specifications 8

IMPORTANT SAFETY INFORMATION

1. All halogen lights give off heat. Never place the light face-down on any surface when lit.
2. Never look directly into light or shine the light into another person's eyes.
3. Replace bulb with type indicated in specifications or a 12 volt H3 quartz halogen bulb.
4. Do not immerse this spotlight in water. This unit is not waterproof – it is water resistant.
5. Do not substitute power cords or charging adapters. Only charge with supplied AC and DC charging adapters. Charging adapters for this unit supply 12 volts DC.
6. Keep children away from spotlight. This is not a toy!
7. Lens gets very hot when spotlight is operating. Do not touch lens while operating.
8. Keep combustibles away from spotlight lens – extreme heat can cause fires.
9. Keep sharp objects away from lens – it is glass and can break.
10. Do not drop or throw spotlight. It contains glass and a sealed lead acid battery.
11. Dispose of unusable batteries in a responsible manner. See battery disposal section.
12. Do not crush, cut, pull or expose charging adapter cords to extreme heat.
13. Position charge adapter cords so that they do not become entangled or become a safety hazard.
14. Keep charging adapter cords away from sharp edges.
15. Do not shine spotlight into eyes.

WARNINGS

- Contains non-spillable sealed lead acid batteries. They must be recycled or disposed of properly.
- DO NOT dispose of batteries in fire, as this may result in an explosion.
- DO NOT open battery or short circuit, this may cause the battery to leak or get hot causing personal injury. Any disposal questions call toll-free (877) 288-7722.
- Please read Instruction Manual completely for all safety and warning instructions.

CAUTIONS

- Use only with AC or DC charging adapters that are provided with unit. Plug in the charging adapter at the spotlight first, then plug into the charging source.
- DO NOT OVERCHARGE:
  - AC recharge up to 20-30 hours maximum.
  - DC recharge up to 3-4 hours maximum.
  - After recharge, disconnect charging adapter and wait 5 minutes before use.

INTRODUCTION

Thank you for purchasing the ***VEC158 Corded, Cordless, Rechargeable 3,000,000 Power Series™ Spotlight,*** an advanced design dual bulb spotlight. It uses two powerful, proven-technology, rechargeable, non-spillable, sealed, lead acid batteries for years of dependable use … recharge after recharge. It was designed from the start to be the most versatile and practical light for travel, camping, picnicking, tailgate parties and boating. The VEC158 gives you the kind of light you need, when and where you need it. Extremely rugged construction protects the unit from damage from most vibration and shock. It is water and dust resistant.

Please read this guide carefully before use to ensure optimum performance and to avoid damage to the unit.

FEATURES

- Two powerful, prefocused, replaceable quartz halogen bulbs
- Two magnified LED area lights
- Three-position slide switch selects single spotlight, dual spotlight or area lights.
- Trigger switch operates spotlight
- Rubber safety guard (bezel) around lens protects spotlight
- Safety end caps protect the lower battery compartments
- Comfortable pistol grip
- LED lights while battery is charging
- UL listed 120 volt AC recharge adapter
- Fused DC recharge/power cord
- Rechargeable sealed lead acid battery (non spillable)

3/4 View

Back View

OPERATING INSTRUCTIONS

Using the 12 volt DC Accessory Outlet

Flip up the accessory outlet cover and insert the DC plug. Close the cover after use.

Flip the trigger guard up in order to operate (squeeze) the trigger switch.

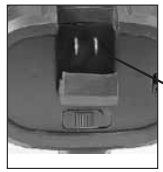
Lighting Operations

Center position selects single spotlight bulb use. ***Right position*** selects both spotlight bulbs. ***Left position*** selects the two LED area lights. Note that spotlight ON/OFF is controlled by the Trigger Switch.

Charging Using the 120 Volt AC Recharge Port

1. Make sure all lamps and connected appliances are turned OFF.

HOUSEHOLD EXTENSION CORD (NOT INCLUDED)



AC RECHARGER

2. To recharge,plug an extension cord into the 120 volt AC charger on the back of the unit and charge until the charge indicator light turns green .
3. Recharge until the green LED lights, it will take 20-30 hours depending on the discharge of the battery.

4. Once recharging is completed, disconnect the adapter from the external charging source.
5. After AC recharging, wait 5 minutes before using spotlight.

CHARGING AND POWERING THE DC RECHARGE ADAPTER

The VEC158 can be simultaneously charged and operated from a 12 volt DC source. Make sure the 12 volt DC source can supply minimum 15 amperes of current if the spotlight is to be operated while the batteries are being charged.

To check the battery level, press the Battery Status Pushbutton. Charge until Battery Level Displays green LED lights when the Battery Level Display pushbutton is pressed. Charge spotlight after each use.

Note: ***This unit is shipped in a partially charged state. Initially charge unit using the AC charger. To check the battery level, press the Battery Status Pushbutton. Charge until Battery Status Displays green LED lights.***

IMPORTANT

- DO NOT TURN ON ANY LAMPS OR OPERATE ANY DC APPLIANCES THROUGH THE SPOTLIGHT'S ACCESSORY OUTLET WHEN THE AC/DC RECHARGE ADAPTER IS CHARGING THE UNIT.

1. Locate the DC Recharge Port on the rear of the spotlight.

2. Connect the DC charger to a 12 volt DC source that can supply at least 15 amps of current.

3. Recharge for 3-4 hours maximum or until the green LED lights when the battery Status Display pushbutton is pressed.

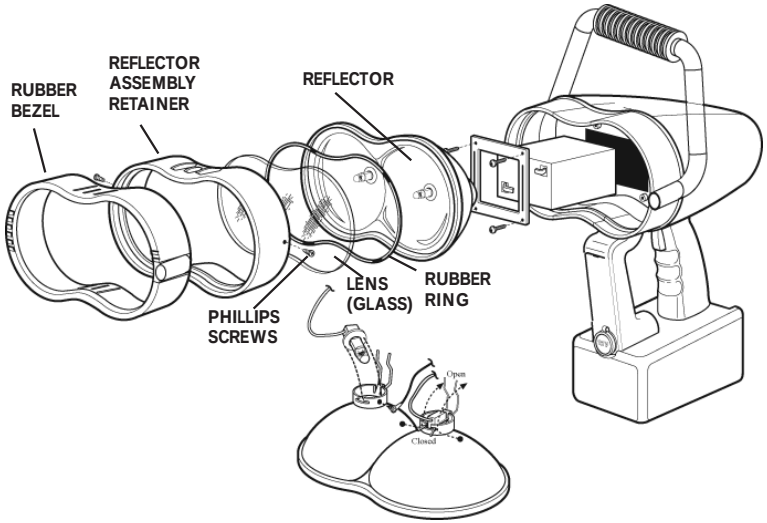
4. After recharge, disconnect the Adapter from the external charging/power source, then disconnect the connector from the DC Recharge Port.

Note: ***Some vehicles must have the ignition turned on to power the vehicle's accessory outlet.***

WARNING

- NEVER SIMULTANEOUSLY CONNECT AC/DC AND DC/DC CHARGERS TO SPOTLIGHT.

SPOTLIGHT BULB REPLACEMENT



To replace either or both H3 type 12 volt bulbs, you will need a small Phillips type screwdriver and a replacement bulb (or bulbs). Bulb life can be shortened by installing a bulb with dirt or fingerprints on it. The bulb can be wiped clean with a cloth moistened with alcohol. During bulb installation, avoid touching the glass part of the bulb. Note which bulb is burned out.

1. Disconnect the unit from any charging adapters.
2. Pull the rubber bezel towards the front of the spotlight to reveal two small Phillips screws in the wide Reflector Assembly Retainer. The screws are on opposite sides of the retainer.
3. Using the screwdriver, remove (counterclockwise) the two screws. Set them aside.
4. Lift off the retainer, glass lens and rubber ring and set them aside.
5. Carefully remove the dual reflector and bulb assembly (see above.)
6. Disconnect the bulb wire from the red power wire and set the burned out bulb aside.
7. Unsnap the hairpin retaining wires from the reflector's flange (see above).
8. Using the screwdriver, loosen the retaining screw to remove the bulb from the reflector (no need to completely remove this screw).
9. Lift out the bulb and the attached wire.
10. Insert the replacement bulb into the reflector's flange.
11. Put back and secure the hairpin retaining wires.
12. Connect the white bulb power wire to the red power wire.
13. Tighten the retaining screw on the flange.
14. Place the reflector in position in the body of the spotlight.
15. Replace the rubber ring in the groove around the perimeter of the reflector.
16. Replace glass and retainer so that the screw holes are aligned.
17. Secure Retainer with two Phillips screws.
18. Replace rubber bezel by sliding forward to the front of the spotlight.
19. Operate switches to ensure proper operation of spotlight.

CAUTION

- To reduce the risk of electric shock only replace bulb with 100 watt 12 volt H3 bulb only.

PERIODIC MAINTENANCE

All batteries lose charge with time, especially when they are warm. AC recharge is recommended every two months, when not in frequent use. Use the AC recharger and charge for the recommended time. If the unit gets dirty, gently clean the outer surfaces of the spotlight unit with a soft cloth moistened with a mild solution of water and detergent. Periodically inspect the condition of recharge adapters, connectors, and wires. Replace any components that may have become worn or broken.

PARTS REPLACEMENT

One part is user replaceable. The quartz halogen bulb is proprietary and is available through Vector. A substitute 12 volt H3 100 watt bulb may be used in place of the existing bulb. These can be purchased from popular automotive parts suppliers nationwide. Contact Technical Support for replacement parts and any additional information you may need. They may be reached at (954) 584-4446 or toll free at (866) 584-5504.

BATTERY REPLACEMENT/DISPOSAL

Battery Replacement

Battery should last the service life of the unit. Contact Technical Support at (954) 584-4446 or toll free at (866) 584-5504 for any information you may need.

Safe Battery Disposal

Contains a maintenance-free, sealed, non-spillable, lead acid battery, which must be disposed of properly. Recycling is required, contact your local authority for information. Failure to comply with local, state and federal regulations can result in fines, or imprisonment.

WARNINGS

- Do not dispose of the battery in fire as this may result in an explosion.
- Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
- Do not expose battery to fire or intense heat as it may explode.
- For more information on recycling this battery, call toll-free 877-288-7722.